

CLAIMS

The invention claimed is:

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1 1. A computer-readable medium containing a program for preventing overload in a
2 packet telephony gateway, the program comprising instructions for:
3 receiving a CPU utilization threshold input;
4 detecting when an incoming telephone call is received;
5 receiving a present CPU utilization value input;
6 determining, when a new incoming telephone call is denoted as being received,
7 whether a number aspect of the present CPU utilization value input is larger than a number
8 aspect of a CPU utilization threshold input, and if so for setting a deny flag; and
9 refusing the incoming call if the deny flag is set.

1 2. The medium of claim 1, wherein
2 the incoming call input sets a ring flag when a new incoming telephone call is
3 received, and
4 the present CPU utilization value input is updated when the ring flag is set.

1 3. A method for preventing overload in a packet telephony gateway receiving incoming
2 telephone calls, comprising:
3 setting a CPU utilization threshold of a CPU of the gateway;
4 when an incoming telephone call is received, comparing a present CPU utilization
5 value with the entered CPU utilization threshold; and
6 if the present CPU utilization value is larger than the threshold, refusing the incoming
7 call.

1 4. The method of claim 3, wherein setting is by issuing a setting command, and by
2 saving an aspect of the setting command in NVRAM.

1 5. The method of claim 3, further comprising determining a CPU utilization threshold of
2 a CPU of the gateway before setting.

1 6. The method of claim 5, wherein setting is by issuing a setting command, and by
2 saving an aspect of the setting command in NVRAM.

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1 7. A computer-readable medium containing a program for preventing overload in a
2 packet telephony gateway, the program comprising:
3 a CPU utilization threshold input;
4 an incoming call input when a new incoming telephone call is received;
5 a present CPU utilization value input;
6 gauging software for determining, when a new incoming telephone call is denoted as
7 being received, whether a number aspect of the present CPU utilization value input is larger
8 than a number aspect of a CPU utilization threshold input, and if so for setting a deny flag;
9 and
10 call refusing software for the packet telephony gateway to refuse the incoming call if
11 the deny flag is set.

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1 8. The medium of claim 7, wherein
2 the incoming call input sets a ring flag when a new incoming telephone call is
3 received, and
4 the present CPU utilization value input is updated when the ring flag is set.

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